

Arman Sedghi

List of Publications by Year in descending order

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48
papers

1,044
citations

471061

17
h-index

433756

31
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50
all docs

50
docs citations

50
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-2223 superconductor ceramics added with cubic-shaped TiO ₂ nanoparticles: Structural, microstructural, magnetic, and vortex pinning studies. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163201.	2.8	11
2	Synergic effect of additives on the structure and properties of nano strontium hexaferrite synthesized via the gel combustion method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 278, 115631.	1.7	6
3	Wear behaviour of Al/(Al ₂ O ₃ + ZrB ₂ + TiB ₂) hybrid composites fabricated by hot pressing. <i>International Journal of Materials Research</i> , 2021, 106, 160-165.	0.1	2
4	Cobalt based Metal Organic Framework/Graphene nanocomposite as high performance battery-type electrode materials for asymmetric Supercapacitors. <i>Journal of Energy Storage</i> , 2021, 33, 101925.	3.9	44
5	Structural properties and supercapacitive performance evaluation of the nickel oxide/graphene/polypyrrole hybrid ternary nanocomposite in aqueous and organic electrolytes. <i>Energy</i> , 2021, 214, 118950.	4.5	30
6	Impact of functionalized SiC nano-whisker on the flux pinning ability and superconductor features of Bi-2223 ceramics. <i>Ceramics International</i> , 2021, 47, 3706-3712.	2.3	14
7	High-performance supercapacitor electrode materials based on chemical co-precipitation synthesis of nickel oxide (NiO)/cobalt oxide (Co ₃ O ₄)-intercalated graphene nanosheets binary nanocomposites. <i>Diamond and Related Materials</i> , 2021, 114, 108313.	1.8	24
8	Synergic effect of physically-mixed metal organic framework based electrodes as a high efficient material for supercapacitors. <i>Journal of Energy Storage</i> , 2021, 44, 103248.	3.9	12
9	One-step electrodeposition synthesis of high performance Graphene/Cu ₂ O nanocomposite films on copper foils as binder-free supercapacitor electrodes. <i>Solid State Sciences</i> , 2020, 106, 106336.	1.5	28
10	Effect of Zn and Mg additives on the fabrication of SiCp/Al ₂ O ₃ +Al composite by Directed Metal Oxidation (DIMOX) of aluminum. <i>Ceramics International</i> , 2020, 46, 22307-22312.	2.3	4
11	Investigation of the effect of MAI and PbI ₂ concentrations on the properties of perovskite solar cells. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	0
12	Synthesis of nano Mn-Zn ferrites by gel combustion method with three different fuels and investigation of their structure and properties. <i>Materials Science-Poland</i> , 2020, 38, 350-358.	0.4	3
13	Effect of fuel type on the combustion reaction behavior, phase structure and morphology of Ni _{0.5} Co _{0.5} Fe ₂ O ₄ nanoparticles. <i>Materials Science-Poland</i> , 2020, 38, 341-349.	0.4	2
14	Synthesis of Nano-Flower Metal-Organic Framework/Graphene Composites As a High-Performance Electrode Material for Supercapacitors. <i>Journal of Electronic Materials</i> , 2019, 48, 7011-7024.	1.0	34
15	Enhancement in the performance of BSCCO (Bi-2223) superconductor with functionalized TiO ₂ nanorod additive. <i>Ceramics International</i> , 2019, 45, 21878-21886.	2.3	18
16	Synthesis of novel graphene/Co ₃ O ₄ /polypyrrole ternary nanocomposites as electrochemically enhanced supercapacitor electrodes. <i>Energy</i> , 2019, 188, 116088.	4.5	47
17	Synergistic effect of Ni-based metal organic framework with graphene for enhanced electrochemical performance of supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12351-12363.	1.1	33
18	Facile Fabrication of Graphene/Mn ₃ O ₄ /Cu(OH) ₂ on Cu Foil as an Electrode for Supercapacitor Applications. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 429-437.	0.3	3

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19	Comparison of the effect of nickel and cobalt cations addition on the structural and magnetic properties of manganese-zinc ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 474, 56-62.	1.0	15
20	Effect of Ti ₃ SiC ₂ on the ablation behavior and mechanism of Cf-C-SiC-Ti ₃ SiC ₂ composites under oxyacetylene torch at 3000°C. Ceramics International, 2019, 45, 777-785.	2.3	13
21	The effect of magnesium content on in vitro bioactivity, biological behavior and antibacterial activity of sol-gel derived 58S bioactive glass. Ceramics International, 2018, 44, 9422-9432.	2.3	68
22	Enhancement in superconducting properties of Bi ₂ Sr ₂ Ca ₁ Cu ₂ O ₈ + $\hat{1}$, (Bi-2212) by means of boron oxide additive. Physica C: Superconductivity and Its Applications, 2018, 548, 31-39.	0.6	10
23	The influence of heat treatment on the microstructure, flux pinning and magnetic properties of bulk BSCCO samples prepared by sol-gel route. Ceramics International, 2018, 44, 5209-5218.	2.3	18
24	Investigation of the effect of various parameters on the amount and morphology of nano-laminate MAX phase in Cf-C-SiC-Ti ₃ SiC ₂ composite. International Journal of Refractory Metals and Hard Materials, 2018, 71, 292-300.	1.7	9
25	Effect of Graphene Nanosheets Content on Microstructure and Mechanical Properties of Titanium Matrix Composite Produced by Cold Pressing and Sintering. Nanomaterials, 2018, 8, 1024.	1.9	14
26	Mechanical properties and microstructure of the C-C-SiC, C-C-SiC-Ti ₃ SiC ₂ and C-C-SiC-Ti ₃ Si(Al) ₂ C ₂ composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 446-453.	2.6	10
27	Effects of ZrC content on the synthesis of MAX phase and mechanical properties of Cf-C-SiC-Ti ₃ SiC ₂ -ZrC composites. Ceramics International, 2018, 44, 18039-18047.	2.3	5
28	Facile and scalable fabrication of graphene/polypyrrole/MnOx/Cu(OH) ₂ composite for high-performance supercapacitors. Journal of Solid State Electrochemistry, 2018, 22, 3317-3329.	1.2	10
29	Comparison of copper compounds on copper foil as current collector for fabrication of graphene/polypyrrole electrode. Journal of Energy Storage, 2018, 19, 201-212.	3.9	19
30	Production and properties of Cu/TiO ₂ nano-composites. Journal of Alloys and Compounds, 2017, 698, 518-524.	2.8	45
31	Properties of an Al/(Al ₂ O ₃ +TiB ₂ +ZrB ₂) hybrid composite manufactured by powder metallurgy and hot pressing. Journal of Applied Mechanics and Technical Physics, 2017, 58, 454-460.	0.1	10
32	Enhancement of Dose Response and Nuclear Magnetic Resonance Image of PAGAT Polymer Gel Dosimeter by Adding Silver Nanoparticles. PLoS ONE, 2017, 12, e0168737.	1.1	10
33	Introduction of nano-laminate Ti ₃ SiC ₂ and SiC phases into Cf-C composite by liquid silicon infiltration method. Metallurgical and Materials Engineering, 2017, 23, 21-30.	0.2	5
34	Crystallization Evolution of (Nd,Pr)-(Fe,Co,Ga,Ti,C)-B Melt-Spun Ribbons with Various Solidification Rates and Compositions. Science of Advanced Materials, 2017, 9, 978-983.	0.1	0
35	A new method for synthesis of cordierite nanopowder. Advances in Materials and Processing Technologies, 2015, 1, 404-410.	0.8	1
36	Solid state synthesis of celsian barium aluminosilicate by a multistep firing technique. Advances in Materials and Processing Technologies, 2015, 1, 484-492.	0.8	2

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37	Effect of solvent and processing condition on structure and morphology of aluminum nitride nanopowders fabricated by electrical explosion of wire (EEW). <i>Advances in Materials and Processing Technologies</i> , 2015, 1, 508-514.	0.8	0
38	Fabrication of Al ₂ O ₃ /(ZrB ₂ +TiB ₂) Composite Using MACS and Microwaves. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 3125-3129.	1.1	9
39	Effect of chemical composition and alumina content on structure and properties of ceramic insulators. <i>Bulletin of Materials Science</i> , 2014, 37, 321-325.	0.8	19
40	Influence of TiCl ₄ Treatment on Structure and Performance of Dye-Sensitized Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 075002.	0.8	27
41	Fabrication of A356 composite reinforced with micro and nano Al ₂ O ₃ particles by a developed compocasting method and study of its properties. <i>Journal of Alloys and Compounds</i> , 2012, 511, 226-231.	2.8	189
42	The effect of processing parameters in the carbothermal synthesis of titanium diboride powder. <i>Advanced Powder Technology</i> , 2012, 23, 234-238.	2.0	18
43	The Effect of the Pyrolysis Furnace Type on the Yield of Silicon Carbide Whiskers Produced from Rice Husks. <i>Defect and Diffusion Forum</i> , 2011, 312-315, 346-351.	0.4	2
44	The effect of commercial polyacrylonitrile fibers characterizations on the produced carbon fibers properties. <i>Journal of Materials Processing Technology</i> , 2008, 198, 60-67.	3.1	81
45	Effect of thermal characteristics of commercial and special polyacrylonitrile fibres on the fabrication of carbon fibres. <i>Materials Science and Technology</i> , 2006, 22, 1235-1239.	0.8	36
46	Stabilization of commercial polyacrylonitrile fibres for fabrication of low-cost medium-strength carbon fibres. <i>E-Polymers</i> , 2006, 6, .	1.3	3
47	Fabrication of carbon fibres from wet-spun commercial polyacrylonitrile fibres. <i>Fibre Chemistry</i> , 2006, 38, 383-386.	0.0	4
48	The effect of Graphitization on the Mechanical Properties of twodimensional carbon - carbon composites. <i>Materialwissenschaft Und Werkstofftechnik</i> , 1997, 28, 236-240.	0.5	1